

Notifiable incident

Notification ID	NTF11700
Duty holder	Woodside Energy Ltd
Facility/Activity	CWLH OKHA FPSO
Nearest state	WA
Incident	OHS-DSCE: Lift gas compressor anti surge station input not functioning.

Basic information provided at time of notification	
Notification type	Incident
Incident date	17/08/2022 12:00 PM (AWST)
Notification date	17/08/2022 07:01 PM (AWST)
NOPSEMA response date	18/08/2022 09:12 AM (AWST)
Received by	[REDACTED]

Summary of information provided	
Brief descriptive title	OHS-DSCE: Lift gas compressor anti surge station input not functioning.
Incident location	
Subtype/s	
Summary <i>(provided at notification)</i>	Lift gas compressor #1 emergency anti surge station identified as having one of the two inputs not effective for measuring surge, breaching performance standard 3.2. All other safety systems still operatable.

Request permission to disturb the site	
Permission given	Not Applicable
Permission given by	
Permission given on	

Initial spill and release amounts	
Gas (kg)	
Liquid (L)	
Release type	
More information	

Details of person providing information to NOPSEMA	
Full name	[REDACTED]
Job title	[REDACTED]

Initial notification category	
Initial category type <i>(based on notification)</i>	Dangerous Occurrence
Initial category <i>(based on notification)</i>	OHS - damage to safety-critical equipment

Running sheet	
<i>There are no running sheet entries for this notification</i>	

Decision	
Escalate to level 1	Yes
Inspector	[REDACTED]
Escalated on	18/08/2022 09:26

Final notification category	
Final category type <i>(based on final report)</i>	Dangerous Occurrence
Final category <i>(based on final report)</i>	OHS - damage to safety-critical equipment

Immediate causes	
Details	Unknown cause at time of writing.

Initial report	
Due date	20/08/2022
Received date	18/08/2022
Reviewed date	20/08/2022
Reviewed by	[REDACTED]
Additional details provided by duty holder	<p>Brief description of incident: Investigation into a deviation alarm in the control room's ICSS led to identifying the Lift Gas Compressor #1 pressure transmitter was reading incorrectly, impairing function of the EAS (Emergency anti-surge station).</p> <p>Note: A secondary EAS flow transmitter remains functional. The primary anti-surge control system remained healthy.</p> <p>Work or activity being undertaken at time of incident: Normal operations.</p> <p>What are the Internal Investigation Arrangements Internal investigation in accordance with the Woodside "Health, Safety and Environment Event Reporting, Investigating and Learning Procedure"</p> <p>Action taken to make the work-site safe:\nAction taken Initiated actions as per the 'Respond to SCE Failure Process'. Operational risk assessment performed, concluding safe to operate. Primary anti-surge control system healthy. Secondary input (flow) to the EAS remains active and healthy</p> <p>Was an emergency response initiated? No Was anyone killed or injured? No</p> <p>Immediate action taken/intended, if any, to prevent recurrence of incident. Action Investigation commenced to determine cause of SCE impacted Responsible party [REDACTED] Completion date 17-Aug-2022 Actual or Intended Actual</p>

Final report	
Due date	16/09/2022
Received date	01/09/2022
Reviewed date	05/09/2022
Reviewed by	[REDACTED]

Additional details provided by duty holder	<p>Full Report: Describe investigation in detail, including who conducted the investigation and in accordance with what standard/procedure</p> <p>Brief Overview: On 16th August 2022, it was reported by the [REDACTED] a deviation alarm for the lift gas compressor #1 faceplate, caused by two pressure transmitters 05PT043125 & 05PT043126. Upon investigation it was identified that 05PT043125 was reading incorrectly (0kPa) and when the CCC EAS (emergency anti-surge station) system controller was interrogated it was found to be in loop test. This was then escalated to the technical support team and [REDACTED], who initiated 'Respond to SCE Failure Process Map' and created an operational risk assessment (MOC-107624) to provide initial risk assessment determining safe to continue operations as the Lift Gas Compressor 1 (LGC1) primary anti surge valve control system (CCC) is healthy and the impaired CCC EAS system had independent functionality through input from 05FIC043103.</p> <p>Investigation Summary: Investigation was unable to determine root cause as the Integrated Control and Safety System (ICSS) history does not go back far enough to identify when 05PT043125 was placed into loop test (probable that it was during commissioning). Once identified, CCC (OEM) was engaged to provide solution, which was actioned on 19th August 2022 and transmitter removed from loop test and CCC EAS system returned to fully operational. Review of history regarding LGC1 EAS upgrade under MOC-21001 & MOC-21715, hardware installation and software upgrades completed under WO 2100262677 & 2100293616 respectively. No indication of any issues during commissioning that would result in 05PT043125 being left in loop test.</p> <p>Actions to prevent recurrence of same or similar incident: Action 1 - Engage CCC to provide steps to safely return CCC EAS system to fully operational - COMPLETE Responsible party - [REDACTED] Completion date - 21-Aug-2022 Actual or Intended - Actual</p> <p>Action 2 - Recheck of EAS settings remain correct. 23/8/22 (completed action) & 30/8/22 (completed action) Responsible party - [REDACTED] Completion date - 30-Aug-2022 Actual or Intended - Actual</p>
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Final spill and release amounts	
Gas (kg)	0.00
Liquid (L)	0.00
Release type	
More information	

Root causes	
Code	
Description	<p>Has the investigation been completed? Yes</p> <p>Root Causes - Analysis Factor: OT1-1 Other - Unknown/Other (please specify) Comments - Unable to determine root cause due to lack of historical data in control system to indicate when 05PT043125 went into loop test.</p>

All data received	
Date	05/09/2022

